

Table C-109. Federal obligations for basic research, by detailed field of science and engineering: fiscal years 1982-92

[Dollars in millions]

Field of science and engineering	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Total, all fields	5,481.6	6,260.1	7,067.4	7,818.7	8,153.1	8,942.4	9,473.6	10,602.0	11,285.6	12,170.8	12,489.9
Life sciences, total	2,526.0	2,891.3	3,287.6	3,786.6	3,858.8	4,361.9	4,501.8	4,915.7	5,177.5	5,433.6	5,841.7
Biol & agricultural, total	1,674.8	1,928.8	2,174.7	2,515.5	2,543.0	2,870.4	2,855.3	3,102.9	3,219.0	3,374.9	3,517.6
Biol (excl environmental)	1,401.2	1,621.9	1,835.8	2,106.3	2,151.5	2,461.5	2,414.9	2,647.2	2,742.2	2,868.5	2,981.8
Environmental biology	83.2	92.7	120.8	125.7	125.7	141.0	146.8	157.3	168.3	186.9	201.6
Agricultural	190.4	214.2	218.1	283.5	265.7	267.9	293.7	298.4	308.5	319.4	334.2
Medical sciences, total	793.4	878.9	1,015.3	1,145.4	1,196.6	1,341.0	1,573.2	1,708.4	1,849.6	1,857.7	2,131.0
Life sciences, n.e.c.	57.8	83.6	97.7	125.7	119.2	150.6	73.2	104.4	108.9	201.0	193.1
Psychology, total	89.9	92.9	107.9	132.8	133.0	147.1	177.8	187.1	215.1	225.5	122.6
Biological aspects	32.9	31.4	43.7	48.0	47.0	49.3	52.4	61.0	65.3	68.2	14.3
Social aspects	33.7	32.8	33.4	46.9	45.3	45.5	40.9	38.1	60.9	69.2	16.9
Psychological sci, n.e.c.	23.3	28.7	30.8	38.0	40.7	52.3	84.5	88.0	88.8	88.1	91.4
Physical sciences, total	1,393.8	1,587.2	1,728.0	1,815.2	1,914.4	2,096.0	2,199.6	2,506.5	2,661.5	2,881.5	2,951.4
Astronomy	271.1	354.5	379.6	400.7	453.1	504.5	458.5	524.6	579.9	612.3	729.7
Chemistry	312.0	362.2	403.4	425.0	433.4	445.1	470.8	504.6	502.1	538.7	556.6
Physics	790.7	855.1	921.4	959.9	1,003.4	1,072.3	1,205.5	1,395.3	1,474.3	1,644.9	1,607.5
Physical sciences, n.e.c.	20.0	15.4	23.6	29.7	24.7	74.2	64.8	81.9	105.1	85.5	57.6
Environmental sciences, total	520.0	580.1	656.7	699.7	749.1	781.0	872.7	1,016.9	1,274.8	1,263.5	1,303.6
Atmospheric sciences	163.2	172.6	192.2	209.2	240.4	243.8	280.7	316.4	443.7	449.0	435.2
Geological sciences	177.5	178.3	198.0	250.0	265.5	266.2	267.3	334.9	439.7	499.0	526.5
Oceanography	154.5	195.6	220.1	219.3	224.3	249.8	269.4	293.5	299.7	197.5	210.0
Environmental sci, n.e.c.	24.9	33.5	46.4	21.2	18.9	21.2	55.2	72.1	91.6	118.0	131.9
Math & computer sci, total	165.1	208.1	240.8	260.0	293.4	306.4	313.2	345.8	406.9	426.1	481.4
Mathematics	90.9	100.9	113.9	130.3	142.4	158.4	165.4	167.8	176.3	164.4	228.2
Computer sciences	67.4	90.4	104.8	116.1	131.4	128.5	125.5	159.5	225.2	223.5	247.7
Math & computer sci, n.e.c.	6.8	16.8	22.2	13.6	19.6	19.5	22.4	18.4	5.3	38.2	5.5
Engineering, total	610.5	689.5	845.0	884.2	968.5	989.5	1,006.2	1,183.7	1,101.5	1,233.7	1,249.8
Aeronautical	126.5	140.7	225.5	191.5	226.3	237.4	231.0	327.9	269.6	256.2	245.1
Astronautical	44.8	50.4	52.4	41.6	52.5	48.8	48.4	58.9	62.3	69.7	94.4
Chemical	35.2	50.4	55.5	74.4	73.0	77.5	88.6	50.1	75.8	101.7	105.0
Civil	32.0	32.4	41.9	43.6	45.2	45.7	46.1	51.7	47.3	59.3	53.4
Electrical	93.6	95.8	130.4	144.9	156.3	175.4	154.0	173.8	146.9	142.5	165.4
Mechanical	53.1	60.7	64.1	88.2	83.6	87.2	83.5	100.8	91.4	115.6	113.9
Metallurgy & materials	155.9	182.9	187.3	211.9	228.5	209.8	230.1	254.8	260.2	294.6	273.6
Engineering, n.e.c.	69.4	76.2	87.9	88.2	103.2	107.8	124.4	165.7	147.9	194.3	199.2
Social sciences, total	120.2	137.7	132.6	140.7	113.5	129.5	146.8	154.6	146.0	161.3	139.9
Anthropology	13.1	11.2	16.8	15.8	11.2	12.3	12.1	12.1	12.5	12.7	11.0
Economics	39.0	41.0	29.7	34.3	26.3	29.0	34.7	37.7	37.1	37.3	39.3
Political science	4.4	4.6	4.1	5.8	4.1	5.5	5.1	5.4	6.4	7.1	6.4
Sociology	18.7	32.8	33.9	32.4	30.0	34.3	36.8	38.2	24.2	28.2	10.2
Social sciences, n.e.c.	45.1	48.2	48.1	52.4	41.9	48.4	58.1	61.2	65.8	75.9	72.9
Other sciences, n.e.c.	56.1	73.3	68.8	99.4	122.5	130.9	255.5	291.7	302.3	545.6	399.4

KEY: n.e.c. = Not elsewhere classified

NOTES: Because of rounding, detail may not add to totals.

Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields (such as psychology) in fiscal year 1992 seems to be underreported.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2001, 2002, and 2003